

Amendments to the Claims

Claims 1-10 (Canceled)

Claim 11 (Currently amended) Apparatus for sterilizing air ~~in large volume~~ with volume larger than 300cfm by radiation of 253.7nm germicidal ultraviolet rays, said apparatus comprising: (a) a housing with an inlet guiding air in for sterilizing and an outlet to discharge sterilized air out; (b) a fan means positioned within said housing between said inlet and outlet to cause air movement; (c) a inlet filter means connected with said inlet to remove particles larger than 1um from said air before sterilized; (d) a circuitous sterilizing chamber within said housing internally ~~to contain said air~~ constructed as continually ~~folding~~ turning tunnels for the purpose of ~~extending air sterilizing time~~ containing said air to be exposed to enough amount of UV irradiation, connected with said inlet filter and said outlet; (e) a ~~group number of UVC lamp tubes~~ 253.7nm germicidal lamps positioned inside and along said circuitous sterilizing chamber to provide high-density ultraviolet radiation to irradiate passing said air.

Claim 12 (Previously presented) The apparatus of claim 11 wherein said circuitous sterilizing chamber constructed with smooth curved flow guiding interior at every turning section of said circuitous sterilizing chamber to reduce flow resistant.

Claim 13 (Previously presented) The apparatus of claim 11 wherein said circuitous sterilizing chamber has internal mirror surfaces to increase UV light reflection and killing power.

Claim 14 (Previously presented) The apparatus of claim 11 wherein ozone generation from UV lamps is suppressed by use of non-ozone 253.7nm wavelength germicidal lamps.

Claim 15 (Previously presented) The apparatus of claim 11 wherein between said chamber and outlet equipped with a filter means to prevent particles larger than the requirement of application getting into distribution airduct.